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OF

ST. THOMAS

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1947.

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St. Thomas Rural District Council.

26, East Southernhay,
Exeter.

TELEPHONE 54254 (2 lines)

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH
FOR THE YEAR ENDING 31st DECEMBER, 1947.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present herewith my Annual Report for the year ending 31st December, 1947.

In June, 1947 your Medical Officer of Health (Dr. Doyle) took up his duties as Deputy County Medical Officer with the Devon County Council. In consequence Dr. Mackenzie-Wintle was appointed as temporary Medical Officer of Health, which office he held until October 20th, 1947, when your present Medical Officer of Health commenced duties in the St. Thomas Rural District.

I am pleased to report that during the year the health of the community remained satisfactory and with the exception of a rather high incidence of measles during the first quarter of the year no serious outbreaks of infectious diseases occurred. In considering the statistics relative to infectious diseases it should be realised that there are two large Institutions, viz. the Devon Mental Hospital, Exminster and the Western Counties Institution, Starcross at which diseases such as pneumonia, dysentery, are particularly likely to arise.

Excluding the three Institutional non-immunised cases of Diphtheria which occurred it is gratifying to note that no other cases of Diphtheria occurred in the District, this being due in great part to the energetic manner with which the District Council's and the County Council's immunisation scheme had been and is being maintained.

It is now ten years since you have had a comprehensive survey of the statistics relative to your District, I have therefore taken this opportunity of summarising the facts available and presenting them to you in this Report.

Finally, I should like to record my appreciation of the sympathetic help, consideration and support shown to me at all times by your Council and to thank all members of my staff for the loyal and conscientious manner in which they have carried out their duties.

I have the honour to be,

Your obedient Servant,

L. G. Anderson

Medical Officer of Health.

S T A F F

Medical Officer of Health

L. G. ANDERSON M.D., D.P.H.

Chief Sanitary Inspector and Surveyor

Mr. W.T. HAWKER M.I.Mun.E., C.R.S.I., F.S.I.A.

Deputy Sanitary Inspector and Surveyor

Mr. J.M. BLADON A.R.S.I., M.S.I.A., M.I.B.E.,

Additional Sanitary Inspector

Mr. K.C. BENHAM C.R.S.I., M.S.I.A.,

Assistant Sanitary Inspector

Mr. W.J. CUMES M.S.I.A.

Chief Clerk

Mr. B.J. HODGON

Licencing Clerk

Mr. R.S. GRAINGER

General Clerk

Miss O. BATTERSBY

Clerk to the Medical Officer of Health

Miss I. LEEWORTHY

...oooOOOOOooo...

1. STATISTICS OF THE AREA

Area (in acres)	118,972
Resident population mid. year 1947 ... ... (as estimated by the Registrar General)	28,880
Number of inhabitated houses (end of 1947) ...	7,793
Rateable Value (end of 1947)	£ 150,519
Sum represented by a penny rate	£ 628

2. VITAL STATISTICS

(a) Live Births -

	Males	Females	Total
Legitimate	261	220	481
Illegitimate	13	14	27
Total	274	234	508

Live birth rate per 1,000 of estimated resident population ... 17.9
Live birth rate per 1,000 of civilian population
England and Wales ... 20.5

(b) Still Births -

	Males	Females	Total
Legitimate	4	5	9
Illegitimate	1	-	1
Total	5	5	10

Still birth rate per 1000 of estimated resident population ... 0.34
Still birth rate per 1000 of total live births 19.40
Still birth rate per 1000 of civilian population
England and Wales 0.50

(c) Deaths -

Males	Females	Total
182	177	359

Corrected death rate per 1000 of estimated resident population .. 12.4
Corrected death rate per 1000 of civilian population
England and Wales 12.0
Deaths from puerperal causes 1.0

(e) Infant Mortality -
(Deaths of infants under 1 year of age)

	Males	Females	Total
Legitimate	10	4	14
Illegitimate	1	1	2
Total	11	5	16

Infant Mortality per 1,000 live births 31
Infant Mortality per 1,000 live births
England and Wales ... ... 41.

3. BIRTH RATE -

During the year under review 274 male and 234 female (total 508) were born and as compared with the previous year showed a slight increase in rate from 16.3 in 1946 to 17.9 in 1947. The following table shows the live birth rates per 1,000 estimated resident population during the last 10 years :-

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
14.0	13.6	13.8	13.7	14.6	13.0	15.2	16.0	16.3	17.9

It will be noted that the rate was fairly constant from 1938 to 1943 after which there occurred a steady rise to the rate of 17.9 in 1947 which was the highest for the last 10 years. That rate still however falls short of that for England and Wales which was 20.5.

4. ILLEGITIMATE BIRTH RATE -

The illegitimate birth rate (which represents the number of illegitimate live births per 1,000 total legitimate and illegitimate live births registered in the District) was 33.0 and was considerably lower than that for the previous year (87.0).

During the last 10 years the highest incidence of illegitimate birth occurred in 1945 as will be seen from the following table:-

1938	1939	1940	1941	1942	1943	1944	1945	1946	1947.
39	40	32	76	46.9	64.5	74.7	117	87	33

5. STILL BIRTHS

As calculated per 1,000 live births the still birth rate of 19.4 shows an increase over that for the preceeding year (14.0). When calculated as the rate per 1,000 of the estimated resident population the figure of 0.34 is considerably lower than that for England and Wales as a whole (0.50).

6. DEATHS

During the yea r 359 (182 males 177 females) persons normally resident in your District died, which represents a death rate, corrected for inward and outward transfers, of 12.4, a rate which approximates to that for England and Wales as a whole (12.0). The most prevalent causes of death were heart disease (96 deaths), cerebral haemorrhage (42 deaths) and cancer (61 deaths) and which accounted for more than half of the deaths.

The following table shows the causes of deaths in the St. Thomas Rural District during 1947 :-

Disease	Males	Females	Total
Cerebro Spinal Fever	-	1	1
Tuberculosis			
Respiratory	10	4	14
Other Forms	1	-	1
Syphilitic Diseases	2	-	2
Influenza	2	-	2
Measles	-	-	-
Acute Infective encephalitis	-	-	-
Cancer			
Mouth, gullet and uterus	2	6	8
Stomach and duodenum	6	4	10
Breast	-	6	6
All other sites	19	18	37
Diabetes	-	1	1
Intra-cranial vascular lesions	23	19	42
Heart Disease	45	51	96
Other diseases of the circulatory system	3	11	14
Bronchitis	17	12	29
Pneumonia	5	4	9
Other respiratory diseases	3	-	3
Ulcer of stomach or duodenum	2	22	4
Appendicitis	1	1	2
Diarrhoea under 2 years	1	-	1
Other digestive diseases	3	6	9
Nephritis	6	4	10
Premature births	3	-	3
Congenital malformation, birth injuries, infant diseases	7	4	11
Other maternal causes	-	1	1
Suicide	1	1	2
Road traffic accidents	-	1	1
Other violent causes	6	1	7
All other causes	14	19	33
ALL CASES	182	177	359

The average age at death during 1947 was 65.6 and is the highest for the last 10 years, viz.

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947.
Males	61.2	63.6	61.3	56.7	57.6	60.5	63.6	63.7	60.7	62.4
Females	64.2	64.1	66.5	62.8	66.8	69.1	67.3	64.8	65.2	69.1
Both sexes	62.6	63.9	64.0	59.7	61.6	64.2	65.5	64.2	63.0	65.6

The following table show s the incidence of deaths at various age groups (from Returns supplied by local Registrars of Births and Deaths)

Age Group	Males	Females	Total
Under 1 year	11	6	17
1 and under 2 years	-	1	1
2 - 4 years	-	-	-
5 - 9 years	1	1	2
10 - 19 years	2	-	2
20 - 29 years	3	2	5
30 - 39 years	5	4	9
40 - 49 years	8	6	14
50 - 59 years	24	21	45
60 - 69 years	36	35	71
70 - 79 years	84	52	136
80 - 89 years	29	43	72
90 - 99 years	4	7	11
ALL AGES	207	178	385

7. Infant Mortality

Sixteen infants under the age of one year died during the year which represents an infant mortality (rate per 1,000 live births) of 31 which compares favourably with that for England and Wales (41.0). The causes of death of these babies is tabulated below from which it will be noted that the most prevalent causes of death were prematurity 5 cases and birth injuries 4 cases.

Sex	Age	Cause of Death
M	2 hours	Asphyxia due to encircloment of cord around the neck.
F	2 hours	Prematurity.
F	5 hours	Prematurity (maternal eclampsia).
M	7 hours	Prematurity (maternal eclampsia).
M	9 hours	Prematurity.
F	16 hours	Atelectasis, Prematurity (caesarean).
F	1 day	Prematurity (maternal eclampsia).
M	3 days	Shock - twin labour.
M	3 days	Birth injuries.
M	1 week	Birth injuries Congenital malformation (spina-bifida).
F	9 days	Congenital malformation (spina-bifida).
M	11 days	Birth injuries.
M	3 months	Accidental death (asphyxiation in cot).
F	3 months	Acute intestinal obstruction (volvulus).
M	6 months	Gastro-enteritis.
M	9 months	Broncho-pneumonia.

8. ZYMOTIC DEATH RATE

Disease	Male	Female	Total.
Smallpox	-	-	-
Measles	-	-	-
Whooping Cough	-	-	-
Scarlet Fever	-	-	-
Diarrhoea (under 2 years)	1	-	1
TOTAL	1	-	1

9. CANCER

During the year 61 deaths from cancer were recorded viz.:-

Parts of the Body effected	Males	Females	Total.
Mouth and oesphagus	2	-	2
Stomach and Duodenum	6	4	10
Breast	-	6	6
Uterus	-	6	6
All other sites	19	18	37
TOTAL	27	34	61

The incidence of cancer during the last 10 years is as follows:-

No.	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947.
Males	24	25	27	24	29	26	24	26	17	27
Females	36	41	17	34	22	23	29	23	26	34
Both Sexes	60	66	44	58	51	49	43	49	43	61
Rate per 1,000 pop.	2.13	2.23	1.56	1.96	1.67	1.63	1.47	1.73	1.50	2.12

10. INFECTIOUS DISEASES (other than Tuberculosis)

Except for the sharp rise in the number of notifications of measles, the incidence of infectious diseases was low during the year. All the cases of dysentery occurred in Devon Mental Hospital, Exminster and 20 of the 33 cases of pneumonia also occurred in Institutions. A minor outbreak of food poisoning occurred on the 17th July, 1947 at Doddiscombsleigh and affected 4 people. The cause was presumed to be infected water cress. Of the 3 cases of puerperal pyrexia 1 occurred at Poltimore and 2 at Topsham. 5 cases of infantile paralysis occurred, viz:

Sex	Age	Where occurred .
Male	15 years	Kenton
Male	22 years	Pinhoe
Male	$4\frac{1}{2}$ years	Bridford
Female	32 years	Pinhoe
Female	18 months	Pinhoe

The incidence for 1947 is tabulated herewith :-

1.	2.	3.	4.	5.
Disease	Cases Notified	Institution cases included in Col.2.	Cases Admitted to Hospital	Deaths
Measles	300	-	3	-
Whooping Couch	103	-	1	-
Scarlet Fever	21	-	7	-
Diphtheria	3	3	-	-
Puerperal pyrexia	3	-	-	-
Pneumonia	33	20	-	5
Erysipelas	7	5	1	-
Dysentery	38	38	-	-
Ophthalmia neonatorum	1	-	-	-
Poliomyelitis	5	-	5	-
Food Poisoning (Salmonella)	4	-	-	-

The following table shows the incidence of infectious diseases during 1947 grouped according to age :-

Disease.	Under 1 yr.	1	2	3	4	5	10	15	20	35	45	65 & over	Total
Measles	5	22	20	26	36	133	33	13	10	1	1	-	300
Whooping Cough	9	13	11	12	8	41	4	1	3	1	-	-	103
Scarlet Fever	-	-	1	-	1	9	1	5	2	2	-	-	21
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	3	3
Puerperal Pyrexia	-	-	-	-	-	-	-	-	3	-	-	-	3
Pneumonia	1	-	-	-	1	1	3	3	3	2	5	14	33
Dysentery	-	-	-	-	-	-	-	1	7	6	17	7	38
Erysipelas	-	-	-	-	-	-	-	-	-	-	3	4	7
Ophthalmia Neonatorum	1	-	-	-	-	-	-	-	-	-	-	-	1
Infantile Paralysis	-	1	-	-	1	-	-	1	2	-	-	-	5
ALL CASES	16	36	32	38	47	184	41	24	30	12	26	28	514

The following shows the incidence (numbers notified) of various infectious diseases during the last 10 years:-

Disease	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947.
Measles	*	*	171	771	8	61	53	399	92	300
Whooping Cough	*	*	131	67	33	39	53	92	54	103
Scarlet Fever	27	50	50	52	44	38	30	24	29	21
Diphtheria	10	42	30	14	22	10	6	3	-	3
Puerperal Pyrexia	1	2	2	1	2	6	-	-	2	3
Pneumonia	10	22	28	24	9	13	15	6	35	33
Erysipelas	15	6	12	7	11	17	8	6	9	7
Dysentery	18	0	26	8	20	32	27	57	5	38
Typhoid	7	3	15	1	25	5	4	-	-	-
Opthalmia Neonatorum	-	1	2	-	-	-	1	1	-	1
Cerebro Spinal Fever	-	-	6	5	3	1	4	3	2	-
Relapsing Fever	-	-	1	-	-	-	-	-	-	-
Malaria	-	-	-	1	-	-	35	-	1	-
Poliomyletis	-	-	-	1	-	-	1	-	-	5
Phemhigus Neonatorum	-	-	-	-	-	2	-	-	2	-
Salmonella Infection	-	-	-	-	-	-	1	-	-	4
Jaundice	-	-	-	-	-	-	3	1	1	-

* Not notifiable in 1938.

11. MEASLES

The low incidence of Measles during 1946 (92 cases) resulted in a relatively large number of susceptible children in the child population of the following year. The fairly high incidence during 1947 was therefore not unexpected. A relatively high incidence of Measles was recorded in the Country as a whole, viz:-

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
1946	17,375	42,166	34.732	65,192	159,465
1947	163,516	136,539	60,317	32,750	393,122

The monthly incidence of Measles in the St. Thomas Rural District is shown in the following table:-

1947

Jan.	Feb	Mar	Apl	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
157	70	37	10	3	6	10	-	1	6	-	-	300

12. WHOOPING COUGH

Although 103 cases of Whooping Cough were notified it is not considered that this represents an accurate picture of the incidence owing to the great difficulty in diagnosing milk cases and the fact that many parents do not consult their doctors in the mild attacks.

13. SCARLET FEVER

Twenty-one cases of Scarlet Fever occurred in the District and were of a mild type. The cases were sporadic and no generalised outbreaks occurred. Because of difficulties in home nursing seven were admitted to the Isolation Hospital at Whipton.

14. DIPHTHERIA

Three cases of Diphtheria were notified during the year but occurred in persons who had not been immunised and were resident in one of the large Institutions. The fact that no cases of this disease, other than the three cases noted above, occurred in your District during 1947 reflects great credit on the energetic and thorough manner with which the immunisation of school children and pre-school children has been carried out in your District by my predecessors and the general practitioners.

At this junction I would like to express my appreciation of the help given by the Health Visitors, District Nurses, and particularly the School Teachers who have done so much to help to make the scheme a success.

15. IMMUNISATION AGAINST DIPHTHERIA

Under the existing scheme the County Council is responsible for the immunisation of children under 5 years of age and the Rural District Council for those over that age. The Immunisation Clinic was continued throughout the year on the 2nd Tuesday of each month at 2.30 p.m.

The following table shows the immunisation state of the children in your District on 31st December, 1947 :-

	Under School Age					School Age		TOTAL.
	Under 1 yr.	1-	2-	3-	4-	5 - 9	10-14	
Number immunised at any time up to 31st Dec. 1947	13	183	235	288	190	1,335	2,257	4,501
	909					3,592		
Estimated mid-year child population	2,160					3,650		5,810
Percentage immunised	46.7					98.1		75.7

16. TUBERCULOSIS

During the year 37 new cases of Tuberculosis were notified 18 males and 19 females. 13 of these cases occurred in the two large Institutions in the District. Shortage of Sanatorium accommodation still remains very acute, a fact only too well appreciated by the County Tuberculosis Officer and which is causing him grave concern.

The following table gives the incidence of new cases of Tuberculosis since 1938:-

		1938	1939	1940	1941	1942	1943	1944	1945	1946	1947.
PULMONARY	M	22	19	22	28	24	15	13	11	8	11
	F	13	7	29	19	17	19	9	13	6	16
NON-PULMONARY	M	9	8	9	7	9	11	4	3	2	6
	F	2	6	4	4	5	10	4	3	6	3
TOTAL		46	40	64	58	55	55	30	30	22	36

On receipt of the notification of a case of Tuberculosis the housing conditions, milk supply, etc. are investigated in collaboration with the County Tuberculosis Officer and where necessary the appropriate recommendation made to the Housing Committee.

The age distribution of new cases and deaths from Tuberculosis which occurred during 1947 are as follows :-

AGE PERIOD.	NEW CASES				DEATHS			
	RESPIRATORY		NON-RESPIRATORY		RESPIRATORY		NON-RESPIRATORY	
	M	F	M	F	M	F	M	F
0 - 1	-	-	1	-	-	-	-	-
1 -	-	-	1	-	-	-	-	-
5 -	1	-	2	1	-	-	1	-
15 -	3	5	-	-	2	-	-	-
25 -	3	4	1	2	4	-	-	-
35 -	3	2	-	-	1	1	-	-
45 -	2	1	-	-	2	1	-	-
55 -	-	2	1	-	1	2	-	-
65 -	-	2	-	-	-	-	-	-
ALL AGES	12	16	6	3	10	4	1	-
	28		9		14		1	
	TOTAL		37		TOTAL		15	

Until July 5th, 1948 the responsible Authority for prevention, treatment and aftercare of Tuberculosis Disease is the County Council. After that date the Regional Hospitals Board will be responsible for the treatment of Tuberculous patients in Sanatoria and the Local Health Authority will be responsible for prevention, domiciliary treatment and aftercare.

17. VENEREAL DISEASE

The responsible Authority for the prevention and treatment of Venereal Disease is at present the County Council - after July 5th, 1948 this service will be administered by the Regional Hospitals Board.

Under the present scheme free advice and treatment is available to all persons at the following centres:-

	Males	Females
EXETER		
Royal Devon & Exeter Hospital	Mon. 3 - 5 p.m. Fri. 6 - 8 p.m.	Mon. 6 - 7 p.m. Fri. 3 - 5 p.m.
TORQUAY		
Torbay Hospital	Tues. & Weds. 5.30 - 7.30 p.m. (Mon. Fri. & Sat. 10.30 a.m. - 12.30 p.m. 6 - 8 p.m. No Medical Officer in attendance)	Thurs. 4.30 - 8.30 p.m.
BARNSTAPLE		
North Devon Infirmary. (Annex)	Mon. 5.15 - 6.15 p.m. Thurs. 5.45 - 6.45 p.m.	Mon. 4 - 5 p.m. Thurs. 4.30 p.m.
PLYMOUTH		
City Hospital	Mon. Thurs. & Sats. 6 - 7.30 p.m. Tues. 10 - 11.30 a.m.	Thurs. & Fri. 10 - 11.30a.m. Sats. 3 - 4.30 p.m. Weds. 6 - 7.30 p.m.

A refund of rail or bus fares can be made in suitable cases by applying to the Medical Officer of the Centre or to the County Medical Officer.

Where, on account of the difficulty of travelling or other reason, a patient is unable to attend the Centre, free treatment can be obtained from any of the undermentioned Practitioners who have been approved by the Ministry of Health under Circular 2226.:-

Dr. White-Cooper	"Montague", Dartmouth.
Dr. Michaelmore	"Sidlands Lodge", Sidmouth.
Dr. W.J. Verniquet	Barnfield, Kingsbridge.
Dr. M.B. Dixey	Cross Tree House, Moretonhampstead.
Mrs. Dixey	- do -
Dr. C.V. Falvey	18, Church St., Modbury.
Dr. A.R. Dommett	Codner Acre, Salcombe.
Dr. F.O. Lindsey	8 Endsleigh Terrace, Tavistock.
Dr. G. Nicholson	11 St. Peter's St., Tiverton.
Dr. M. Brown	Western House, Chudleigh.
Dr. W. Freeth	6 Widemouth Bay, Bude.
Dr. N. Bowring-Betts	Cleverdon House, Bradworthy.
Dr. T.A. Cadman	Ashdene, Elberton, Nr. Plymouth.
Dr. W.H. Simonds	Chillington, Nr. Kingsbridge.

18. LABORATORY FACILITIES

Bacteriological and Serological examinations are carried out at the Public Health Laboratory, 7 Dix's Field, Exeter, under the direction of Dr. B. Moore, whose ready co-operation and help I wish to acknowledge.

19. HOSPITAL FACILITIES (a) General

The population of the District is well served by the following Hospitals:-

(1) Royal Devon & Exeter Hospital, Southernhay East ('phone 2261) - 324 beds.

(2) Exmouth Cottage Hospital, Claremont Grove, Exmouth ('phone 2283) - 39 beds.

(This Hospital has been selected as the Plastic Surgery Centre for Devon and Mr. Emlyn Lewis of the City General Hospital, Gloucester attends.)

(3) Budleigh Salterton Cottage Hospital, ('phone Bud. Salt. 20) - 26 beds.

(4) Princess Elizabeth Orthopaedic Hospital, Buckerell Bore, Exeter ('phone Exeter 54217) - 114 beds.
(5) West of England Eye Infirmary, Magdalen Street, Exeter ('phone Exeter 3183) - 57 beds.

(b) Maternity

(1) Poltimore Nursing Home - 12 beds.
(2) Redhills House, St. Thomas, Exeter (Public Assistance Institution).
(3) Royal Devon & Exeter Hospital for complicated or difficult cases.

(c) Isolation

Exeter City Isolation Hospital, Whipton (Exeter 67158). (by agreement with the Exeter City Council the arrangement whereby any cases of infectious diseases arising in the District and in need of hospital treatment can be admitted to the above Isolation Hospital has been continued).

The following table summarises the details of cases admitted during 1947:-

Disease	Age	Sex	Date of Admission	Date of Discharge
Measles	2 years	F	17.1.47	25.2.47
	60 years	M	27.1.47	5.2.47
	1 year	M	5.3.47	12.3.47
Measles Laryngitis Bronchitis	-	M	12.2.47	22.2.47
Scarlet Fever	9 years	F	15.2.47	15.3.47
	15 years	F	19.2.47	19.3.47
	40 years	F	19.3.47	12.4.47
	4 years	M	6.7.47	6.8.47
	7 years	F	12.7.47	9.8.47
	5 years	F	21.7.47	16.8.47
	6 years	M	28.7.47	16.8.47
Whooping Cough	2 $\frac{3}{4}$ years	F	12.2.47	26.3.47
Erysipelas	75 years	F	1.4.47	10.4.47
Poliomyelitis	22 years	M	6.9.47	26.9.47
	15$\frac{1}{2}$ years	F	2.9.47	27.9.47
	4$\frac{1}{2}$ years	M	16.9.47	18.10.47
	32 years	F	17.10.47	4.11.47
	1$\frac{1}{2}$ years	F	9.10.47	28.11.47
Influenza	15 years	M	25.11.47	10.12.47
Bronchitis and Constipation	3 years	M	20.12.47	24.12.47

I should like to record my sincere appreciation for the ready help and co-operation given at all times by the Medical Superintendant and staff of the Whipton Isolation Hospital.

SMALLPOX - A Smallpox Hospital of 46 beds at Upton Pyne administered by the County Council is available in case of need.

20. Ambulances - (Infectious Diseases)

As in the previous year the Exeter City Council Infectious Disease Ambulance stationed at Whipton Isolation Hospital was used during 1947 for the transport of infectious cases, and I should like to record my appreciation of the efficient and courteous manner in which that service answered our calls.

21. Maternity and Child Welfare

Under the County Council Maternity and Child Welfare Scheme Infant Welfare Centres are held at:- (1) The Elementary School, ALPHINGTON on the 2nd and 4th Friday from 2 p.m. to 4 p.m. and attended by Dr. Walker; (2) The Girl Guide Room, BROADCLYST on the 1st and 3rd Thursday from 2 p.m. to 4 p.m. at which Dr. Lockhart attends; (3) The Shack, Slewton, WHIMPLE on the 2nd and 4th Thursday from 2.p.m. to 4 p.m. attended by Dr. Gunner; (4) The School Room, KENTON on the 1st and 3rd Tuesday from 2 p.m. to 4 p.m. attended by Dr. Walker.

During the year the following attendances were made :-

	Mothers		Babies		Toddlers	
ALPHINGTON	301	25 *	175	23 *	180	11 *
BROADCLYST	584	34	328	40	340	14
WHIMPLE	358	18	195	23	221	11
KENTON	181	17	126	14	73	2

(Columns marked * denote attendances for the first time)

22. WATER SUPPLIES

In January, 1947 a Joint Report and Comprehensive Outline Scheme for Water Supplies for the whole of the District were presented and submitted to the Council by Messrs Ross Hooper and Harvey and Mr. G.H. Pritchard, the Consulting Engineers, involving a total expenditure of £624,000, details of which are set out in Appendix "A" to this Report.

During the year 185 samples of water were taken for analysis, of which number 115 were found to be unsatisfactory, viz.:-

	Public	Private	Total
Satisfactory	58	12	70
Unsatisfactory	29	86	115
	87	98	185

At the end of the year 1947 of the total of 7,793 houses in the District 3034 were connected to the Public Water Mains, and 353 houses were served by Stand Pipes.

23. SEWERAGE

In February, 1947 the Consulting Engineers (Messrs Ross Hooper and Harvey) presented a Comprehensive Outline Scheme of Sewerage for the whole of the District, the cost of which was estimated at that time at £254,350. Details are shown at Appendix "B" to this Report.

24. SANITARY INSPECTION of the AREA (Tabular statement furnished by the Chief Sanitary Inspector)

The following summary shows the work done during the year 1947:-

DRAINAGE

No. of Private house drains connected with Sewers	14
No. of Drains repaired	46
No. of New Drains	139
No. of Slop Drains	5
No. of New Sewers - PINHOE (Church Lane & Beacon Heath), LYMPSTONE (Housing Site)	3

FOOD

No. of Seizures or Surrenders of Unsound Meat, Fish, etc.	138

HOUSES

No. of New Houses erected	71
No. of Old Houses satisfactorily renovated	84
No. of Houses repaired and limewashed	20
No. of Premises inspected under the Public Health Act and Housing Act	242

DISINFECTIONS

No. of Lots of Bedding and Clothing disinfected	23
No. of Houses disinfected	14
No. of Schools disinfected	-

OFFENSIVE TRADES

No. of Offensive Trades	2
No. of Offensive Trades improperly conducted	-

CLOSETS

No. of Privies converted into Earth Closets	1
No. of Conversions into Water Closets	-
No. of cases Insufficient Closet Accommodation	18
No. of cases remedied	19

RAILWAY STATIONS

No. of Visits	36

SCAVENGING

No. of Refuse Heaps discovered injurious to Health	130
No. of Refuse heaps remedied	130

(The increase in number is probably due to the new scheme of direct labour Weekly Refuse Collection over the whole District. These heaps have been cleared during the year).

BAKEHOUSES

No. of Bakehouses	44
No. of visits to Bakehouses	48
No. found Defective	4

DAIRIES AND COWSHEDS

No. of Dairies and Cowsheds	713
No. of visits to Dairies and Cowsheds	324
No. of Improvements to Dairies and Cowsheds	162

SLAUGHTER HOUSES

No. of Slaughter Houses (Some now used as Meat Stores)	32
No. of visits to Slaughter Houses	148
No. found Unsatisfactory	-
No. Improved	-
No. of Diseased Carcases found partly or wholly unfit for human consumption	10

WATER SAMPLES

No. of Samples of water taken for analysis	185
No. of Samples found Doubtful	115
No. of Old Wells cleaned out and repaired	16
No. of New Houses certified for occupation with adequate Water Supply	71
No. of New Wells sunk	18
No. of Villages with Public Supply	16
No. of Villages without Water Mains	29
No. of Complaints as to water supply	9

MILK SAMPLES

No. of Samples taken	78
No. of Samples passed	46
No. of Samples failed	32
No. of Designated Milk Producers	169

NUISANCES

No. of Complaints	17
No. of Notices issued for Abatement of Nuisances	79
No. of Nuisances abated	88
No. of Complaints of Pigsties	4
No. of Animals removed	3

APPENDIX "A".

Extracts from the Joint Report and Comprehensive Outline Scheme for Water Supplies for the whole of the District, presented to the Council in January 1947 by Messrs Ross Hooper and Harvey and Mr. G.H. Pritchard the Consulting Engineers:-

TREATMENT WORKS AND PUMPING PLANT

	£
Treatment Works to deal with 1½ million gallons per day, comprising Collecting Tank, Sedimentation Tank, Filters, Clear Water Tank, with appurtenant Plant	10,000
Main Pumping Plant, capable of delivering 2,000 gallons per minute to the Main Reservoir	3,000

MAIN AND SERVICE RESERVOIRS

Main Reservoir of 3 million gallons	25,000
One 800,000 gall. Service Reservoir	8,000
One 600,000 " " "	6,000
One 200,000 " " "	3,000
Two 60,000 " " "	2,000

MAINS and MAINLAYING

Trunk Mains:

18" - 1½ miles	@ £5,300 per mile	- £ 7,950 (Rising Main)				
12" - 5¼ "	@ 3,520 " "	18,480				
10" - 7 "	@ 3,100 " "	21,700				
9" - 5 "	@ 2,650 " "	13,250				
8" - 7 "	@ 2,200 " "	15,400				
6" - 1½ "	@ 1,760 " "	2,640				
4" - 7¾ "	@ 1,320 " "	10,230				89,650

DISTRIBUTION MAINS

6" - 10 miles	@ £1,760 per mile	£17,600				
4" - 90 "	@ 1,320 " "	118,800				
3" - 30 "	@ 970 " "	29,100				165,500
		TOTAL			£	312,150

To relate this estimate to present-day (1947) costs it must be increased by 66⅔ %, or to say ... ... £ 520,000

ADD/ 20% for Contingencies, Engineering Fees, etc. 104,000

Estimated total cost at 1947 prices £ 624,000

Mr. Pritchard submitted a separate Report and Outline Scheme for the Eastern portion of the District with a total expenditure of £295,000, as set out in the following tables:-

	£	£
Provision of Pumping Station at Dotton		
Erection of Engine House	2,500	
Pumping Plant, complete in duplicate	5,000	
Electricity Services	2,000	9,500
Service Reservoirs		
Main reservoir of one million gallons	15,000	
One reservoir of 200,000 gallons	4,000	
Two reservoirs of 400,000 galls. each	12,000	
Meters, Valves, Washouts, Overflows	1,500	32,500
Mains and Mainlaying		
5,200 yards 12" Mains	17,800	
2,200 " 10" "	6,600	
7,200 " 7" "	14,400	
29,400 " 6" "	51,850	
38,900 " 5" "	62,040	
4,100 " 4" "	5,740	
1,400 " 3" "	1,680	
22,000 " 3" " (Branches in villages)	29,800	
Provision for Fire Hydrants, Sluice and Air Valves	10,500	
Add for Bends, Tees and other Pipe Specials	4,500	204,910
		246,910
ADD/ Contingencies (10%), Engineering, Resident Engineer, Land, Easements, Legal and Loan Charges etc.		48,090
Total	£	295,000

The Water Schemes were submitted to the Ministry and a preliminary Enquiry was held during the year. At the request of the Ministry the Council are investigating the possibilities of obtaining water for the Western portion of the District from the Torquay Waterworks, for the Eastern portion of the District from the Exmouth U.D.C.'s Waterworks at Dotton, and for supplies from the Exeter City Council for the parishes in their Statutory Area.

APPENDIX "B"

Details of the Comprehensive Sewerage Scheme for the whole District as submitted to the Council in February 1947 by the Consulting Engineers:-

Parish	Population allowed for	Type of Scheme Proposed	Estimated Cost at 1947 prices.
			£
Tedburn St. Mary and Taphouse	500	Settlement Tanks and Filters	11,250
Whitestone	-	No scheme proposed	-
Dunsford	600	Settlement Tanks and Filters	8,170
Longdown	200	Settlement Tank and Filter	2,920
Bridford	500	- do. -	3,290
Christow	650	Settlement Tanks and Filters	8,500
Doddiscombsleigh	-	No scheme proposed	-
Dunchideock	-	- do. -	-
Lower Ashton	100	Settlement Tank and Irrigation	1,200
Higher Ashton	100	- do. -	1,160
Ide & Alphington	-	Pumping to Exeter City Sewers	5,000
Shillingford	100	Settlement Tank and Irrigation	1,315
Exminster	-	Extensions of existing Sewers	1,850
Kennford & Kenn	850	Settlement Tanks and Filters	15,000
Kenton	700	Into River Exe	7,500
Powderham	-	No scheme proposed	-
Starcross	-	Extension of Outfall to Low Water	1,000
Ashcombe	-	No scheme proposed	-
Upexe	-	- do. -	-
Netherexe	-	- do. -	-
Rewe	250	Settlement Tank and Filter with Pumping Station	3,500
Brampford Speke	300	Settlement Tank and Filter	4,000
Upton Pyne	400	Settlement Tank and Irrigation	3,500
Stoke Canon	400	Settlement Tank and Filter with Pumping Station	5,920
Huxham	-	No scheme proposed	-
Clyst Hydon	200	Settlement Tank and Irrigation	1,700
Clyst S. Lawrence	100	- do. -	1,600
Westwood	-	No scheme proposed	-
Whimple	-	Pumping Station	2,250
Broadclyst Poltimore Pinhoe Broadclyst Station Blackhorse Clyst Honiton Sowton Clyst St. Mary Clyst St. George	7500	Trunk Sewer down valley of River Clyst	85,000

(continued over

(Comprehensive Sewerage Scheme continued)

Ebford	-	Into River Exe	4,700
Topsham	-	Extension of Sewers	3,180
Rockbeare	200	Settlement Tank and Irrigation	500
Marsh Green	-	No scheme proposed	-
Aylesbeare	250	Settlement Tank and Irrigation	1,615
Farringdon	-	No scheme proposed	-
Woodbury Salterton	300	Settlement Tank and Irrigation	2,560
Woodbury	-	Extensions of Outfalls to River Exe	9,670
Exton	-	Extensions of Sewers	2,170
Lympstone	-	Sewering of Sowden End area with Pumping Station	3,330
Harpford, Newton Poppleford, Colaton Raleigh, Otterton, East Budleigh	3,000	Trunk Sewer down valley of the River Otter	51,000
		Total £	254,350